

H. M——, 1st daughter of A. M——, died at the age of 74. Cause unknown. She had two daughters. One died of Epilepsy, aged 34. The other, Mrs. E——, died of P. M. A. at the age of 52. I was enabled to watch this case from the inception of the disease to its termination. The whole muscular system became involved, death resulting from inability to swallow and feebleness of respiration. The duration of the illness was about one year. She left one child who became blind at the age of 14.

James M——, 1st son of A. M——. Died at the age of 80. Some say from wasting palsy, others from old age. Descendants numerous. No information could be obtained respecting them as they all removed to the United States.

S. W——, 2nd daughter of A. M——. Died of Progressive Muscular Atrophy at the age of 52. Disease commenced in right calf, extended to right thigh and arm, afterwards to left side. Duration, one year.

S. W——, married, and had three sons and three daughters.

W. W——, 1st son of S. W——. Died of Progressive Muscular Atrophy, aged 39. The wasting commenced in the ball of the right thumb and gradually extended to the muscles of the right side of the body. His wife informed me that the left side of the body was not attacked and that his death resulted from starvation on account of inability to swallow. The duration of the illness was about ten months.

He left four daughters, all of whom are delicate and suffer from hysterical attacks.

Walter W——, second son of Sarah W——. Died of M. Atrophy at the age of 39, one year after the death of his brother William W——. It is said that he suffered in the same way as his brother, but I have been unable to obtain definite information.

Rebecca W——, 1st daughter of Sarah W——, is idiotic. No information about other members of family.

Hannah T——, 3rd daughter of A. M——, died of strangulated hernia. She had three sons and three daughters.

Mrs. H——, aged 42, the youngest daughter of Hannah T——, died in 1881 from Muscular Atrophy after two years' illness. She was under my care six months. The whole Muscular System became involved. Death was hastened by paralysis of the muscles of deglutition. The disease commenced in the right deltoid muscle a few days after walking twelve miles in a drenching rain storm. She left eight children. Two of the children are idiotic.

James, son of Hannah T——, and brother of Mrs. H——, died of Muscular Atrophy. He had been insane some years before the disease manifested itself. Nothing definite could be obtained about the other members of the family.

Naomi T——, 4th daughter of Amos M——, died of Muscular Atrophy, at the age of 64. Duration of illness, one year. No wasting occurred, the paralysed extremities remaining plump and firm up to the time of death. She had nine children. A son and a daughter are said to have died of Muscular Atrophy. One daughter died of Epilepsy, another of Insanity. Two of the family died suddenly, the remainder are living and enjoy good health.

Caroline H——, 5th daughter of Amos M——, is still living and enjoys good health. Most of her children are living and well.

Isabella H——, 6th daughter of Amos M——, is still living and enjoys good health. Her family have escaped the disease so far.

Emily B——, 7th daughter of Amos M——, died from P. M. Atrophy at the age of 53. Duration of illness, less

than a year. In her case marked wasting took place and death was hastened by difficulty in swallowing. She left six children, all of whom are in good health.

Dorothea B——, 8th daughter of Amos M——, died from P. Muscular Atrophy at the age of 50. In her case loss of power without wasting commenced in the right shoulder and subsequently extended to other parts. She died suddenly while sitting in a chair. She was a very stout woman and although the limbs became gradually paralysed there was no diminution in their bulk. She left thirteen children, one died in infancy, seven died of Phthisis, and one of Diabetes. Three are still living and in good health.

Mrs. S——, a daughter of Dorothea B——, died from P. M. Atrophy at the age of 50. Duration of illness 16 months. Through the kindness of Dr. Clay I had an opportunity of seeing the patient a few weeks before her death.

EXTRACT FROM NOTES MADE AT THE TIME.

"She is unable to walk and has to be lifted in and out of bed. The right arm and leg are powerless. There is still some power in the left arm and leg. There is no emaciation. The only muscles in which wasting is apparent are the interossei of each hand. The others have not apparently diminished in bulk but they feel soft and flabby. Fibrillary contractions are visible at many points and can be readily induced by gentle tapping. There is no interference with speech or swallowing. Common sensibility and the sense of touch are unimpaired. The intellect and special senses are not affected. She attributes the attack to washing for some months in a cold, damp room."

Mrs. I——, daughter of Mrs. S——, died at the age of 30, while pregnant. The duration of the disease in this case did not exceed six months. The rest of the family, six in number, are still living.

Amos M——, second son of Amos M——, died from P. M. Atrophy at the age of 36. Duration 14 months. Apparent cause, exposure to cold. He left seven children, most of whom are living and enjoy good health.

Elisha M——, died from injury at the age of 72. He left a large family, who as yet have shown no indication of P. M. Atrophy.

The foregoing persons are all direct descendants of Amos M——. (See Chart No. 1.)

David M——, brother of Amos M——, from all the evidence I can gather undoubtedly died of P. M. Atrophy. Very few details of his illness can be obtained at present though I hope to get exact information. He had five sons and six daughters, one son and a daughter are still living and I have no information about their families. Four are dead. Thomas died at 86, of old age; David at 84, of old age; John at 75, of liver disease; and Robert, cause unknown. All left families, and so far as I can learn they are exempt from Muscular Atrophy.

Of the daughters, Ruth died of dropsy, leaving no family; Rebecca of Tumour of the Stomach at the age of 40; and three of Progressive Muscular Atrophy.

P. A. Sh——, daughter of David M——, died at the age of 70 from Progressive Muscular Atrophy. Family exempted.

Miriam W——, daughter of David M——, died of P. M. Atrophy at the age of 50.

Edward M——, a son of Miriam W——, died of the same disease at the age of 37. The rest of the family have so far escaped.

Susan H——, daughter of David M——, died of Muscular Atrophy aged 74. She had four sons and three daughters.